

Application No. 10/825737 (Docket: CNTR.2210)
37 CFR 1.111 Amendment dated 07/17/2007
Reply to Office Action of 04/18/2007

AMENDMENTS TO THE ABSTRACT

Please delete the section entitled "ABSTRACT OF THE DISCLOSURE" in its entirety and substitute the following section therefor:

ABSTRACT OF THE DISCLOSURE

A microprocessor temperature control system including a microprocessor with on-chip fan control logic, a fan, and temperature sense logic. The fan control logic receives temperature information and provides a variable fan control signal to cool the microprocessor. The fan is externally mounted to the microprocessor and has a control input that receives the variable fan control signal. The temperature sense logic provides the temperature information associated with the microprocessor. The fan control logic may be configured to turn the fan on and off or to vary rotational speed of the fan and to adjust operation of the fan to achieve an optimum blend of reliability, power consumption, and speed. ~~The temperature sense logic may include at least one temperature sensitive device placed on the die of the microprocessor.~~ In addition or in the alternative, the temperature sense logic is external to the microprocessor for providing the temperature information via an external interface. The fan control signal may be a variable output in digital format.